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transducers each used for converting an audio signal into a sound to present to the user; a detector for detecting an orientation of the head of the user; an image-changing circuit for changing the video signal supplied to the head mounted display in accordance with the orientation of the head of the user; and a sound-image localization processor for changing a sound-image localized position of an audio signal reproduced by the acoustic transducers in accordance with the detected orientation of the head of the user.--

IN THE CLAIMS

Please amend claims 1-11 by rewriting same to read as follows:

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--1. (Amended) An audio and video reproduction apparatus, comprising:

a head-mounted display for converting a video signal into an image to present to a user;

a pair of acoustic transducers each used for converting an audio signal into a sound to present to the user;

detection means for detecting an orientation of the head of the user;

image-changing means for changing the video signal supplied to the head-mounted display in accordance with the orientation of the head of the user; and

sound-image localization processing means for changing a sound-image localized position of the audio signal reproduced

by the acoustic transducers in accordance with the orientation of the head of the user.

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--2. (Amended) The audio and video reproduction apparatus according to claim 1, wherein the pair of acoustic transducers are one of headphones mounted on the head of the user and a pair of earphones attached to ears of the user.

--3. (Amended) The audio and video reproduction apparatus according to claim 1, wherein the pair of acoustic transducers are speakers provided at positions close to the ears of the user.

--4. (Amended) The audio and video reproduction apparatus according to claim 1, wherein the detection means comprises a sensor mounted on the head of the user and a conversion unit for converting a detection signal generated by the sensor into a signal representing the orientation of the head of the user.

--5. (Amended) The audio and video reproduction apparatus according to claim 1, wherein the image-changing means is a cut-out circuit for extracting a video signal representing an image stretched over a visual-field range visible to the user via the head-mounted display from a video signal representing an image stretched over a range wider than the visual-field range in accordance with the orientation of

the head of the user.

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--6. (Amended) The audio and video reproduction apparatus according to claim 1, wherein the image-changing means is a cut-out circuit for extracting a video signal representing an image stretched over a visual-field range of the user from a video signal representing an image stretched over a 360-degree range surrounding the user in accordance with the orientation of the head of the user.

--7. (Amended) The audio and video reproduction apparatus according to claim 1, wherein the image-changing means is a video synthesis circuit for synthesizing video signals representing images stretched over a visual-field range visible to the user via the head-mounted display in accordance with the orientation of the head of the user.

--8. (Amended) The audio and video reproduction apparatus according to claim 1, wherein the sound-image localization processing means performs sound-image localization processing based on transfer functions from a sound-image localized position of the audio signal to ears of the user to produce the audio signal; and the audio signal is supplied to the pair of acoustic transducers as if the audio signal were localized at the sound-image localized position.

--9. (Amended) The audio and video reproduction

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apparatus according to claim 1, wherein the sound-image localization processing means converts an audio signal representing a sound covering a 360-degree range surrounding the user into an audio signal that is supplied to the pair of acoustic transducers as a reproduction signal as if the reproduced sound image were localized outside the head of the user.

--10. (Amended) The audio and video reproduction apparatus according to claim 1, wherein the video signal supplied to the head-mounted display and the audio signals supplied to the acoustic transducers are reproduced from a recording medium.

--11. (Amended) The audio and video reproduction apparatus according to claim 1, wherein the video signal supplied to the head-mounted display and the audio signals supplied to the acoustic transducers are received from a network in real time.--

REMARKS

Claims 1-11 remain in the application and have been amended hereby.

As will be noted from the Declaration, Applicants are citizens and residents of Japan and this application originated there.

Accordingly, the amendments to the specification are made